<u>ATTACHMENT VI</u>

TECHNOLOGY INNOVATIONS FUND

QUARTERLY PROJECT STATUS SUMMARY

May 21, 2004

On March 1, June 1, September 1, and December 1, E-Mail the following status information to the Council Chairman at [this address](#).

Department/Agency: LSU/Computing Services

Name of Project: Exploiting Linux Services in Louisiana

LTIF Log No.:   03/300

Project Coordinator: William Beyer, 225-578-1981, bill@lsu.edu

Project Status: On Schedule

Since the last report, we have migrated all existing z/VM and z/Linux systems and data from the LSU SHARK F20 storage server to the new SHARK 800 disks provided by the project.

We have installed the 64 bit version of SuSE z/Linux and configured it for use as a template from which to build new z/Linux virtual machines. Both the production and development LPARs of the z800 mainframe can now clone 32 bit and 64 bit SuSE z/Linux virtual machines. Automated cloning scripts have been developed, tested, and put into production for both environments to simplify the creation of new virtual machines. We have configured one of the system administration virtual machines as a mirror to the SuSE support site to automatically receive the latest updates and patches. A distributed command system can issue updates and other administration commands to all the virtual machines. A web interface is now available to each machine's administrator for startups and shutdowns without the need for z/VM access.

We have installed DB2, WebSphere, and Domino, each in its own virtual machine. We have successfully tested the demonstration examples that come with each of these applications, and have copied some legacy Domino applications to this environment. Additional DB2 virtual machines are currently being tested by some state agencies.

We have completed the installation of the Velocity Software monitoring system in both LPARs and have completed basic configuration tasks. We are in the process of determining and configuring relevant alarm levels for selected operating conditions.

During the months of April and May we visited several state agency locations and gave presentations on the z/Linux architecture, available applications, and technical advantages, including live demonstrations of the cloning process and interaction with the resulting virtual

machines. The response to these presentations has been encouraging. Presentations were given onsite to DOTD, DSS, DOA, DPS, SLU (in Hammond), DNR, Revenue, and Education, with a follow-up open presentation at LSU for anyone unable to attend the earlier onsite sessions.

We have implemented Tivoli Storage Manager for backups, making use of the tape robot expansion facilities at the ISB provided by the project.

Date: May 21, 2004

Percent Complete: 45% as planned

Explanation[1]:

[1]Note: An explanation should be provided if the project's "percent complete" is behind the baseline "percent complete" established with the MOU.